

Appendix to Item 562 Precast Reinforced P.C.C. Bridge**SCOPE**

The provisions of NYSDOT Standard Specification 718-96 shall apply with the following exceptions:

All references to the “Deputy Chief Engineer (Structures)”, “Regional Director”, “D.C.E.S.”, “the Department”, and “the State” shall be replaced with the words “the COUNTY”.

MATERIAL REQUIREMENTS

Under the paragraph beginning with “the concrete shall meet the requirements of Section 501...”, add the following:

- “6. Corrosion inhibiting admixture shall be added at a rate of 10 liters per cubic meter of concrete”.
- “7. Form inserts shall be made of non-ferrous material.”

DRAWINGS

Under “B. Information Required on Working Drawings” add the following:

- “14. Note (s) indicating that the precaster is to coordinate with the supplier(s) of any form inserts or guiderailing inserts in order to obtain the inserts prior to manufacture of the precast units.

Replace paragraph C. Submission of Working Drawings in its entirety with the following:

C. **SUBMISSION OF WORKING DRAWINGS**

When the working drawings, prepared by the CONTRACTOR, as specified, are completed, three sets of check prints shall be submitted to the ENGINEER. The ENGINEER shall forward one set of check prints to the COUNTY. The COUNTY shall review the drawings and make any such corrections as may be necessary to secure the completion of the contract in accordance with the requirements of the contract documents. The COUNTY shall then return these corrections to the ENGINEER. The ENGINEER shall perform the same review concurrently.

The ENGINEER shall incorporate all of the corrections on one set of check prints and shall return this set to the CONTRACTOR. When the revisions have been made to the satisfaction of the ENGINEER, the CONTRACTOR shall return four sets of approved drawings to the ENGINEER. The ENGINEER shall forward two of these sets to the COUNTY.

FABRICATION

The requirements of this section in NYSDOT Specification 718-96 shall apply with the following modifications/additions:

3. Production of the bridge units and wingwalls shall continue until the order is complete.
4. Under Inspection replace the entire section with the following: Fabrication of the units shall be inspected by the COUNTY, if so desired and indicated by the COUNTY. The CONTRACTOR shall inform the COUNTY 72 hours prior to the commencement of work. The COUNTY shall have free access throughout the fabrication plant to see that the work being done is in accordance with the contract documents. Work done while the COUNTY has been refused access shall be automatically rejected.

Change “3. Under Concrete mix design and proportioning...” to: “5. Under Concrete mix design and proportioning...”

Change “4. Under Placing concrete...” to: “6. Under Placing concrete...”

Change “5. Under Curing...” to: “7. Under Curing...”

Change “6. Under Rejection of Units...” to: “8. Under Rejection of Units...”

9. Under “Repair”, add the following as the first sentence:

Any holes in the bridge units or wingwalls greater than 25mm x 25mm x 10mm deep shall be repaired at no expense to the COUNTY.

SAMPLING AND TESTING

Replace the existing section with the following:

“Precast concrete units manufactured under the requirements of this specification shall be separated into specific and identifiable stock lots. The maximum number of sections in a lot shall be one section per lot. The properties of the concrete will be determined on a stock lot basis, by the COUNTY in accordance with either of the following methods at the option of the COUNTY:

1. Production Testing. Testing will be performed by the Manufacturer, subject to the approval and inspection of an INSPECTOR designated by the COUNTY. It will consist of testing the plastic concrete for compliance to the air content required by this specification and the casting and testing of concrete cylinders for compressive strength determination. Test cylinders used to determine the required compressive strength shall be cured with units they represent.

2. End Product Testing. The COUNTY reserves the right to test the hardened for both air content and compressive strength at any time, in which case the manufacturer will 100mm drill cores under the supervision of a COUNTY representative. The COUNTY will test the drilled cores.